

Moduli of Generalized Kähler metrics

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Abstract:

In contrast to classical Kähler classes, a generalized Kähler class forms an arrow in a groupoid. We will discuss the infinite-dimensional space of generalized Kähler metrics within such a class as a space of bisections and its geometrical structures. In particular, these geometric structures arise from viewing the space of brane bisections in this generalized Kähler class as a generalized brane in the product of a symplectic and a complex space.